

Human CD177 antigen (CD177) ELISA Kit | CD177 elisa kit

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CATALOG #
AAA245188

REACTIVITY
Human

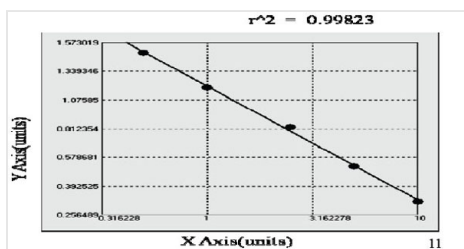
PRODUCT SYNONYMS

CD177 antigen (CD177); Human CD177 antigen (CD177) ELISA Kit; CD177 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This CD177 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CD177. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD177 elisa kit

Principle of the assay: CD177 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CD177 antibody and an CD177-HRP conjugate. The assay sample and buffer are incubated together with CD177-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CD177 concentration since CD177 from samples and CD177-HRP conjugate compete for the anti-CD177 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD177 from the sample, fewer sites are left to bind CD177-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD177 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CD177 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	110735433
NCBI GeneID	57126
NCBI Accession #	NP_065139.2
NCBI GenBank Nucleotide #	NM_020406.3
Molecular Weight	15,683 Da
NCBI Official Full Name	CD177 antigen
NCBI Official Synonym Full Names	CD177 molecule
NCBI Official Symbol	CD177
NCBI Official Synonym Symbols	NB1; PRV1; HNA2A; PRV-1; HNA-2a; NB1 GP
NCBI Protein Information	CD177 antigen; NB1 glycoprotein; cell surface receptor; human neutrophil alloantigen 2a; polycythemia rubra vera protein 1
UniProt Protein Name	CD177 antigen
UniProt Gene Name	CD177
UniProt Synonym Gene Names	NB1; PRV1; UNQ595/PRO1181; HNA-2a; NB1 GP; PRV-1
UniProt Entry Name	CD177_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/cd177-antigen-cd177/245188>